

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	2833527
<b>Application Number:</b>	10524178
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	2822
<b>Title of Invention:</b>	JOINT CHANNEL AND NOISE VARIANCE ESTIMATION IN A WIDEBAND OFDM SYSTEM
<b>First Named Inventor/Applicant Name:</b>	Monisha Ghosh
<b>Customer Number:</b>	24737
<b>Filer:</b>	LARRY LIBERCHUK/NOEMI CHAPA
<b>Filer Authorized By:</b>	LARRY LIBERCHUK
<b>Attorney Docket Number:</b>	US020298
<b>Receipt Date:</b>	08-FEB-2008
<b>Filing Date:</b>	10-FEB-2005
<b>Time Stamp:</b>	13:52:36
<b>Application Type:</b>	U.S. National Stage under 35 USC 371

### Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$ 1740
RAM confirmation Number	7844
Deposit Account	141270
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

**File Listing:**

Document Number	Document Description	File Name	File Size(Bytes) /Message Digest	Multi Part /.zip	Pages (if appl.)
1	Issue Fee Payment (PTO-85B)	US020298US_Issue_Fee_.pdf	1855347 5a038ee979037476cc9efc221410eb2759765ed9d2	no	1

**Warnings:****Information:**

2	Post Allowance Communication - Incoming	US020298US_reasons_for_allowance.pdf	111180 303d27b1c08879596300ba7351f33c170c320891aa2	no	2
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**Warnings:****Information:**

3	Fee Worksheet (PTO-06)	fee-info.pdf	8346 3234d2d9123654bc0fca9b9491e7d0c32771685	no	2
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**Warnings:****Information:****Total Files Size (in bytes):**

1974873

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**New Applications Under 35 U.S.C. 111**

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

**National Stage of an International Application under 35 U.S.C. 371**

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

**New International Application Filed with the USPTO as a Receiving Office**

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.